

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 924 AND MOORES MILL ROAD/VALE ROAD IN HARFORD COUNTY. MD 924 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 924 AND CONCURRENT MOVEMENTS FOR SIDE STREETS.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A POLE MOUNTED CABINET WILL BE USED. INSTALL 1 (ONE) FOUR CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER.

PHASING CHART

EXISTING PHASING WILL REMAIN THE SAME

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5001	2 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING ARROW
5002	4 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING LETTER
5005	25 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING
5008	30 LF	REMOVAL OF EXISTING PAVEMENT LINE MARKING - ANY WIDTH
8029	4 EA	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN
8042	1 EA	FURNISH AND INSTALL CONDUIT BEND IN EXISTING FOUNDATION
8048	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8051	25 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
8058	15 LF	FURNISH AND INSTALL 4 IN. X 4 IN. WOOD SUPPORT
8060	20 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER WIRE
8062	20 LF	FURNISH AND INSTALL 1 IN. GALVANIZED CONDUIT DETECTOR SLEEVE
8067	75 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
8068	30 LF	FURNISH AND INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8072	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8080	1 EA	FURNISH AND INSTALL GROUND ROD 3/4 IN. DIAMETER X 10 FT. LENGTH
8081	2350 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR ALUMINUM SHIELDED
8087	1500 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4 IN. FLEXIBLE TUBING (NO. 14 AWG)
8088	440 LF	FURNISH AND INSTALL SAW CUT FOR LOOP DETECTOR
---	1 EA	FURNISH AND INSTALL R3-5(R) SIGN (30" X 36") SPAN WIRE MOUNT
---	1 EA	FURNISH AND INSTALL R3-7(R) SIGN (30" X 30") GROUND MOUNT
---	1 EA	FURNISH AND INSTALL 4-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER

EQUIPMENT LIST "A"

A. APPROVED SHA EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 321-2781

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761

MS. SUENETTE POPE
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

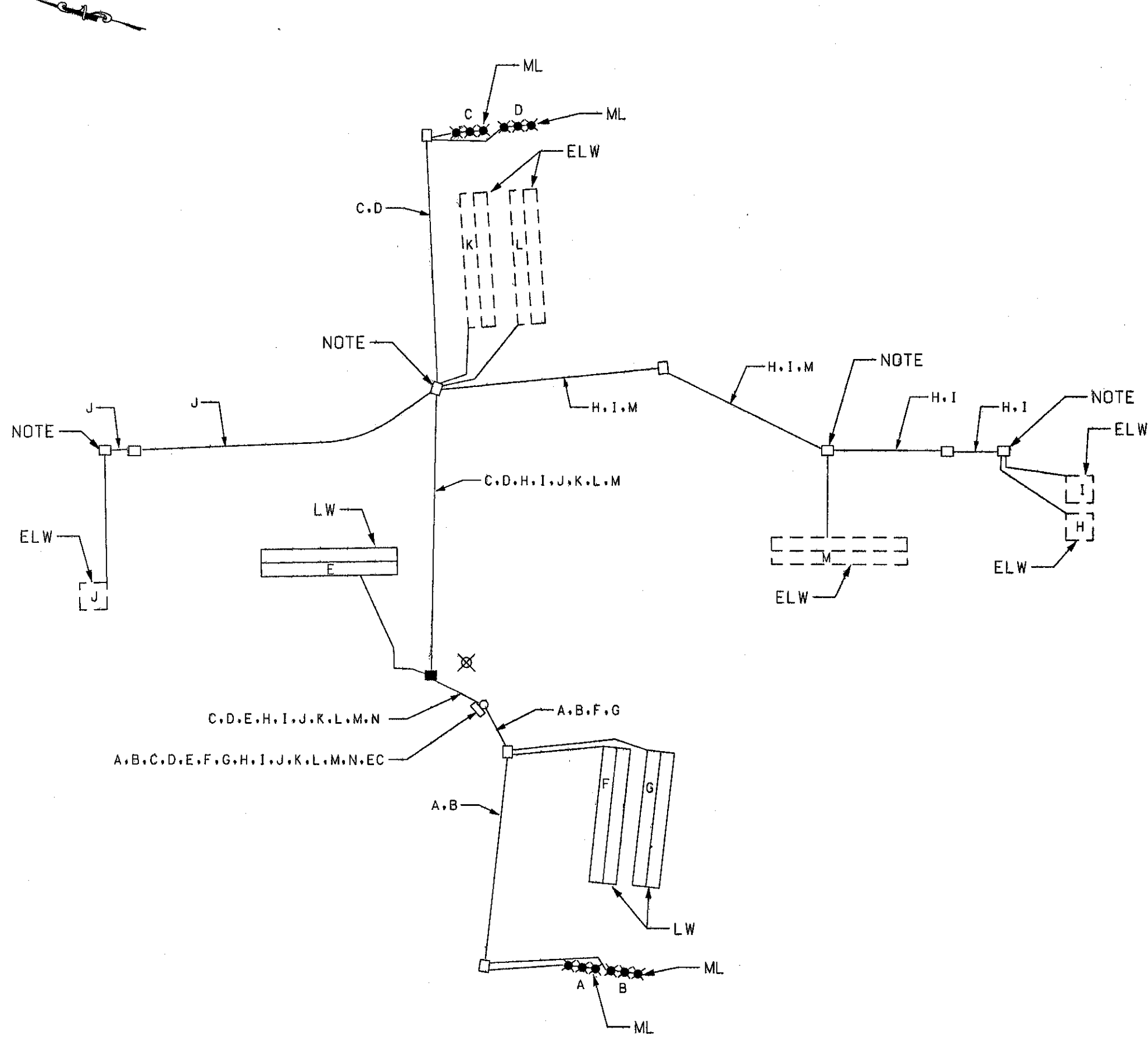
MR. EUGENE BAILEY
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MR. ROBERT SNYDER
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MS. DARLENE EIDE
SUPPLY OFFICE
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TEAM LEADER SIGNAL OPERATIONS
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WIRING DIAGRAM



WIRING KEY

- A-D MICRO-LOOP PROBE
- E-M 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- N STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- EC EXISTING CABLE
- LW LOOP WIRE (NO. 14 A.W.G.)
- ELW EXISTING LOOP WIRE (NO. 14 A.W.G.)
- ML MICRO-LOOP PROBE
- ⊗ GROUND ROD

NOTE: SPLICE NEW 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE TO EXISTING LOOP WIRE IN HANDHOLE.

EQUIPMENT LIST "C"

ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION
MD 924 AND MOORES MILL ROAD/ VALE ROAD

DRAWN BY: T.ZAYDEL	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: M.HOWELL	S.H.A. NO.	1901 D	
SCALE: NONE	COUNTY: HARFORD	T.I.M.S. NO.	2 OF 2
DATE: 2-10-04	LOG MILE: 12092406.57	G-181	